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TRANSMITTAL FORM

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		Application Number	10/785,215
		Filing Date	February 23, 2004
		First Named Inventor	Craig P. Roberts et al.
		Art Unit	1614
		Examiner Name	Unknown
Total Number of Pages in This Submission	6	Attorney Docket Number	51283-00002

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Michelle S. Glasky Preston Gates & Ellis, LLP Reg. No.: 54,124
Signature	
Date	3/1/05

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or printed name	Dulcie Donoso Fontt
Signature	
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Dulcie Donoso Fontt

PATENT

Inventor: Roberts, Craig P. et al.
Serial No.: 10/785,215
Filing Date: February 23, 2004
Title: PLASMA DETOXIFICATION
SYSTEM AND METHODS OF
USE
Examiner: Unknown
Group Art Unit: 1614
Atty Docket No.: 51283-00002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§609 and 707.05(b), enclosed is a copy of the substitute for FORM PTO-1449 listing the references that are known to applicant. Applicants enclose copies of each of the listed references which are not U.S. patents.

This art is being filed for consideration in compliance with § 1.97 within the following time period:

37 C.F.R. § 1.97 (b) This information disclosure statement is being filed by the applicant for consideration and entry before the mailing of a first office action on the merits.

The submission of the above-described documents does not constitute an admission nor should it be construed as a representation that a search has been made,

Applicant: Roberts et. al.
Serial No.: 10/785,215
Group Art Unit: 1614

PATENT
Docket No. 51283-00002

construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b).

Applicant reserves the right to antedate or otherwise remove the documents as references.

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of the substitute for FORM PTO-1449 be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

Applicant believes that no fee is due with this communication; however, if the Commissioner deems a fee is due, the Director is hereby authorized to charge any fees to Deposit Account No. 50-1329. A duplicate copy of this sheet is enclosed.

Respectfully submitted,
PRESTON GATES & ELLIS LLP

Dated: 3/1/05

Michelle Glasky

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~~Substitute for form 1449A~~

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/785,215
				Filing Date	02/23/2004
				First Named Inventor	Craig P. Roberts
				Group Art Unit	1614
				Examiner Name	Unassigned
Sheet	1	of	3	Attorney Docket Number	51283-00002
(use as many sheets as necessary)					

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US -4,127,481	11/28/1978	Malchesky et al.	
	AB	US -4,231,871	11/04/1980	Lipps et al.	
	AC	US -4,267,047	05/12/1981	Henne et al.	
	AD	US -4,269,708	05/26/1981	Bonomini et al.	
	AE	US -4,617,115	10/14/1986	Vantard	
	AF	US -4,747,822	05/31/1988	Peabody	
	AG	US -4,769,037	09/06/1988	Midcalf	
	AH	US -5,015,388	05/14/1991	Pusineri et al.	
	AI	US -5,571,418	11/05/1996	Lee et al.	
	AJ	US -6,008,049	12/28/1999	Naughton et al.	
	AK	US -6,186,146	02/13/2001	Glickman	
	AL	US -6,287,516	09/11/2001	Matson et al.	
	AM	US -6,372,482	04/16/2002	Mitrani	
	AN	US -2001/0051106	12/13/2001	Matson et al.	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Application Number	10/785,215
Filing Date	02/23/2004
First Named Inventor	Craig P. Roberts
Group Art Unit	1614
Examiner Name	Unassigned

Attorney Docket Number 51283-00002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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AR	Anand A.C., Nightingale P., Neuberger J.M., Early indicators of prognosis in fulminant hepatic failure: an assessment of the King's criteria, <i>J Hepatology</i> , 1997; 26:62-68.	
AS	Ash S.R., Treatment of Acute Hepatic Failure with Encephalopathy: A review, <i>Int. J. Artif Organs</i> , 1991; 14:191-195.	
AT	Awad S.S. et al., A novel stable reproducible model of hepatic failure canines, <i>J. Surg. Res.</i> , 2000; 94:167-71.	
AU	Bende S. et al., Elimination of endotoxin from the blood by extracorporeal activated charcoal hemoperfusion in experimental canine endotoxin shock, <i>Circulatory Shock</i> , 1986; 19:239-244.	
AV	Ellis A.J. et al., Temporary extracorporeal liver support for several acute alcoholic hepatitis using the BioLogic-DT., <i>Int. J. Artif. Organs</i> , 1999; 22:27-34.	
AW	Falhenhagen D. et al., Fractionated plasma separation and adsorption system: A novel system for blood purification to remove albumin bound substances, <i>Artif. Organs</i> , 1999; 23:81-6.	
AX	Hughes R.D. and Williams R., Use of sorbent columns and haemofiltration in fulminant hepatic failure, <i>Blood Purif.</i> , 1993; 11:163-9.	
AY	Hughes R.D. et al., Artificial liver support in acute liver failure: a review of studies at King's, <i>Artif. Organs</i> 1992; 16:167-70.	
AZ	Hughes R.D., In-vitro blood compatibility studies on a new polymer-coated charcoal for haemoperfusion, <i>The Inter'l Journal of Artificial Organs</i> , 1980; 3(5): 277-279.	
BA	Hughes R.D., Platelet function during haemoperfusion in acute liver failure, <i>The Inter'l Journal of Artificial Organs</i> , 1980; 3(1):30-34.	
BB	Kellum J.A. and Dishart M. K., Effect of Hemofiltration Filter Adsorption on Circulating IL-6 Levels in Sptic Rats, <i>Critical Care</i> 2002, 6:429-433.	
BC	Makin A.J. et al., System and hepatic hemodynamic changes in acute liver injury. <i>Am. J. Physiol.</i> , 1997; 272:G617-G625.	
BD	Morimoto T. et al., Plasma absorption using bilirubin-absorbent materials as a treatment for patients with hepatic failure, <i>Artificial Organs</i> 1989, 447-452.	
BE	Mullen KD, Dasarathy S., Hepatic encephalopathy. ER Schiff et al. (eds), <i>Schiff's Diseases of the Liver</i> , 8 th edition, Lippincott-Raven Publishers, Philadelphia, 1999	
BF	Nagaki M. et al., In vitro plasma perfusion through adsorbents and plasma ultrafiltration to remove endotoxin and cytokines, <i>Circulatory Shock</i> 1992; 38:182-8.	
BG	Nagaki M. et al., Removal of endotoxin and cytokines by absorbent and the effect of plasma protein binding, <i>Liver Unit</i> , King's College School of Medicine and Dentistry 1991; 4:43-50.	
BH	Nakae H, Yonekawa C, Wada H, Asanuma Y, Sato T, Tanaka H. Effectiveness of combining plasma exchange and continuous hemodiafiltration (combined modality therapy in a parallel circuit) in the treatment of patients with acute hepatic failure, <i>Ther Apher.</i> , 2001;5:471-475.	

Examiner Signature	Date Considered
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Sheet

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Application Number	10/785,215
Filing Date	02/23/2004
First Named Inventor	Craig P. Roberts
Group Art Unit	1614
Examiner Name	Unassigned

Attorney Docket Number

51283-00002

NON PATENT LITERATURE DOCUMENTS

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	BI	Odnopozov V.A. et al. Effect of hemocarboperfusion on organ blood flow and survival in procine endotoxic shock. Crit. Care Med., 1996; 24:2020-2026.	
	BJ	Peltekian KM, Levy GA : Role of cytokines and immune mechanisms in acute liver failure. In Acute Liver Failure. Edited by Lee WM et al. (eds.), Cambridge Press; 1997.	
	BK	Rahman T.M. and Hodgson H.J.. Review article: Liver Support Systems in Acute Hepatic Failure. Aliment. Pharmacol. Ther., 1999; 13: 1255-1272.	
	BL	Ronco C, Brendolan A, Lonnemann G, Bellomo R, Piccinni P, Digito A, Dan M, Irone M, La Greca G, Inguaggiato P, Maggiore U, De Nitti C, Wratten ML, Ricci Z, Tetta C., A pilot study of coupled plasma filtration with adsorption in septic shock, Crit Care Med 2002;30:1250-55.	
	BM	Ryan C.J. et al., Preclinical evaluation of haemosorbents, The Inter'l Journal of Artificial Organs 1986; 9-5:293-296.	
	BN	Ryan C.J. et al., Repeated membrane plasma separation with on-line sorbent treatment of plasma in the conscious rat, 1986; Artificial Organs, 10(2):135-144.	
	BO	Schiødt FV, Atillasoy E, Shakil AO, et al., Etiology and outcome for 295 patients with acute liver failure in the United States. Liver Transpl Surg., 1999; 5:29-34.	
	BP	Schiødt FV, Rochling FA, Casey DL, Lee WM, Acetaminophen toxicity in an urban county hospital. N Engl J Med., 1997; 337:1112-1117.	
	BQ	Strange J. et al., Liver support by extracorporeal blood purification-A clinical observation, German Ministry for Research and Technology, Germany, 2000; 6(5):603-613.	
	BR	Sudan DL, Shaw BW Jr. Fox IJ, Langnas AN, Long-term follow up of auxiliary orthotopic liver transplantation for the treatment of fulminant hepatic failure. Surgery, 1997; 122(4):777-778.	
	BS	Sussman N.L., Chong M.G., Koussayer T. et al. Reversal of fulminant hepatic failure using an extracorporeal liver assist device. Hepatology, 1992; 16: 60-65.	
	BT	Terblanche J. and Hickman R., Animal models of fulminant liver failure, Digest. Dis. Sci. 1991; 36:770-4.	
	BU	Tetta C. et al., Endotoxin and cytokine removal in sepsis, Ther. Apher 2002, 16:109-115	
	BV	Wedon J.A., Harrison P.M., Keays R., Williams R., Cerebral blood flow and metabolism in fulminant liver failure, Hepatology, 1994; 19: 1407-141319.	
	BW	Wehler M. et al., Short-term prognosis in critically ill patients with cirrhosis assessed by prognostic scoring systems, Hepatology, 2001; 34:255-261.	
	BX	Williams R., New directions in acute liver failure, J Royal College of Physicians of London, 1994; 28:552-559.	

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